

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A routing control system, comprising:
a plurality of routing devices for transferring packets on a network, and a control server for controlling a transfer route of said packets,
wherein each of said plurality of routing devices includes
routing related information reception means for receiving routing related information from an adjacent routing device;
generation means for generating a temporary routing control table based on the received routing related information; and
transmission means for transmitting the temporary routing control table generated by said generation means to said control server, and
said control server includes
reception means for receiving a plurality of the temporary routing control tables transmitted by the transmission means of said plurality of routing devices; and
control means for controlling the transfer route of said packets via at least one of said plurality of routing devices by using the plurality of the temporary routing control tables received by said reception means.
2. (Previously Presented) The routing control system according to claim 1,
wherein the transmission means of each of said plurality of routing devices transmits said temporary routing control table to said control server when the temporary routing control table of said packets is changed or regenerated.

3. (Currently Amended) ~~The routing control system according to claim 1,~~ A routing control system, comprising:

a plurality of routing devices for transferring packets on a network, and a control server for controlling a transfer route of said packets,

wherein each of said plurality of routing devices includes

routing related information reception means for receiving routing related information from an adjacent routing device;

generation means for generating a temporary routing control table based on the received routing related information; and

transmission means for transmitting the temporary routing control table generated by said generation means to said control server, and
said control server includes

reception means for receiving a plurality of the temporary routing control tables transmitted by the transmission means of said plurality of routing devices;

control means for controlling the transfer route of said packets by using the plurality of the temporary routing control tables received by said reception means; and

~~wherein said control server further includes~~ reception notification means for notifying the reception of said temporary routing control table to the routing device which is the transmission source of said temporary routing control table, when said temporary routing control table is transmitted.

4. (Previously Presented) The routing control system according to claim 1,
wherein said control server further includes update means for updating a first temporary routing control table received by said reception means to a second temporary routing control table that is newly received by said reception means when a predetermined

time has elapsed after said first temporary routing control table is stored, and then storing said second temporary routing control table in storage means as routing control information.

5. (Currently Amended) A routing control server which is connected to a plurality of routing devices for transferring packets on a network and controlling the transfer route of said packets, comprising:

reception means for receiving, in the routing control server, a plurality of temporary routing control tables transmitted from said plurality of routing devices, each of the plurality of temporary routing control tables being generated, by a corresponding routing device of the plurality of routing devices, based on routing related information received from an adjacent routing device; and

control means for controlling the transfer route of said packets via at least one of said plurality of routing devices by using the plurality of temporary routing control tables received by said reception means.

6. (Currently Amended) A routing control method, comprising:

receiving, in each of a plurality of routing devices, routing related information from an adjacent routing device;

generating a temporary routing control table, within each of the plurality of routing devices, based on the received routing related information;

transmitting, by each of the plurality of routing devices, the generated temporary routing control table to a control server;

receiving a plurality of the transmitted temporary routing control tables in the control server; and

controlling, using the control server, the transfer route of said packets via at least one of said plurality of routing devices by using the received plurality of temporary routing control tables.

7. (Currently Amended) ~~The routing control system according to claim 1,~~ A routing control system, comprising:

a plurality of routing devices for transferring packets on a network, and a control server for controlling a transfer route of said packets,

wherein each of said plurality of routing devices includes

routing related information reception means for receiving routing related information from an adjacent routing device;

generation means for generating a temporary routing control table based on the received routing related information; and

transmission means for transmitting the temporary routing control table generated by said generation means to said control server, and
said control server includes

reception means for receiving a plurality of the temporary routing control tables transmitted by the transmission means of said plurality of routing devices;

control means for controlling the transfer route of said packets by using the plurality of the temporary routing control tables received by said reception means;

~~wherein the control server further includes~~

update means for updating a first temporary routing control table stored in the control server with a second temporary routing control table; and

reception notification means for transmitting a confirmation of receipt of the second temporary routing control table to the routing device that transmitted the first

temporary routing control table and the second temporary routing control table, when the first temporary routing control table is updated.

8. (Previously Presented) The routing control system according to claim 7, wherein each of the plurality of routing devices further includes confirmation reception means for receiving the confirmation from the control server,

wherein the generation means updates the first temporary routing control table stored in the routing device with the second temporary routing control table, when the confirmation is received by the confirmation reception means.

9. (Currently Amended) ~~The routing control system according to claim 1,~~

A routing control system, comprising:

a plurality of routing devices for transferring packets on a network, and a control server for controlling a transfer route of said packets,

wherein each of said plurality of routing devices includes

routing related information reception means for receiving routing related information from an adjacent routing device;

generation means for generating a temporary routing control table based on the received routing related information; and

transmission means for transmitting the temporary routing control table generated by said generation means to said control server, and said control server includes

reception means for receiving a plurality of the temporary routing control tables transmitted by the transmission means of said plurality of routing devices;

control means for controlling the transfer route of said packets by using the plurality of the temporary routing control tables received by said reception means;
~~wherein the control server further includes~~

update timer means for determining an elapsed time since a first temporary routing control table was stored in the control server; and

update means for updating the first temporary routing control table stored in the control server with a second temporary routing control table when the elapsed time exceeds a predetermined threshold time.

10. (Currently Amended) ~~The routing control system according to claim 1, each of the plurality of routing devices further includes~~

A routing control system, comprising:

a plurality of routing devices for transferring packets on a network, and a control server for controlling a transfer route of said packets,

wherein each of said plurality of routing devices includes

routing related information reception means for receiving routing related information from an adjacent routing device;

generation means for generating a temporary routing control table based on the received routing related information;

update timer means for determining an elapsed time since a first temporary routing control table was stored in the routing device; and

transmission means for transmitting the temporary routing control table generated by said generation means to said control server, ~~wherein~~ the transmission means ~~transmits~~ transmitting a second temporary routing control table to the control server when the elapsed time exceeds a predetermined threshold time, and

said control server includes

reception means for receiving a plurality of the temporary routing control tables transmitted by the transmission means of said plurality of routing devices;

control means for controlling the transfer route of said packets by using the plurality of the temporary routing control tables received by said reception means.

11. (Currently Amended) ~~The routing control server according to claim 5, further comprising:~~ A routing control server which is connected to a plurality of routing devices for transferring packets on a network and controlling the transfer route of said packets, comprising:

reception means for receiving, in the routing control server, a plurality of temporary routing control tables transmitted from said plurality of routing devices, each of the plurality of temporary routing control tables being generated, by a corresponding routing device of the plurality of routing devices, based on routing related information received from an adjacent routing device;

control means for controlling the transfer route of said packets by using the plurality of temporary routing control tables received by said reception means;

update means for updating a first temporary routing control table stored in the routing control server with a second temporary routing control table; and

reception notification means for providing a confirmation of receipt of the second temporary routing control table to the routing device that transmitted the first temporary routing control table and the second temporary routing control table, when the first temporary routing control table is updated.

12. (Currently Amended) ~~The routing control server according to claim 5, further comprising:~~ A routing control server which is connected to a plurality of routing devices for transferring packets on a network and controlling the transfer route of said packets,

comprising:

reception means for receiving, in the routing control server, a plurality of temporary routing control tables transmitted from said plurality of routing devices, each of the plurality of temporary routing control tables being generated, by a corresponding routing device of the plurality of routing devices, based on routing related information received from an adjacent routing device;

control means for controlling the transfer route of said packets by using the plurality of temporary routing control tables received by said reception means;

update timer means for determining an elapsed time since a first temporary routing control table was stored in the routing control server; and

update means for updating the first temporary routing control table stored in the routing control server with a second temporary routing control table when the elapsed time exceeds a predetermined threshold time.

13. (Currently Amended) ~~The routing control method according to claim 6, further comprising:~~ A routing control method, comprising:

receiving, in each of a plurality of routing devices, routing related information from an adjacent routing device;

generating a temporary routing control table, within each of the plurality of routing devices, based on the received routing related information;

transmitting, by each of the plurality of routing devices, the generated temporary routing control table to a control server;

receiving a plurality of the transmitted temporary routing control tables in the control server;

controlling, using the control server, the transfer route of said packets by using the received plurality of temporary routing control tables;

updating a first temporary routing control table stored in the control server with a second temporary routing control table; and

providing a confirmation of receipt of the second temporary routing control table from the control server to the routing device that transmitted the first temporary routing control table and the second temporary routing control table, when the first temporary routing control table is updated in the control server.

14. (Previously Presented) The routing control method according to claim 13, further comprising: receiving, by the routing device, the confirmation from the control server; and

updating the first temporary routing control table stored in the routing device with the second temporary routing control table, when the confirmation is received from the control server.

15. (Currently Amended) ~~The routing control method according to claim 6, further comprising:~~ A routing control method, comprising:

receiving, in each of a plurality of routing devices, routing related information from an adjacent routing device;

generating a temporary routing control table, within each of the plurality of routing devices, based on the received routing related information;

transmitting, by each of the plurality of routing devices, the generated temporary routing control table to a control server;

receiving a plurality of the transmitted temporary routing control tables in the control server;

controlling, using the control server, the transfer route of said packets by using the received plurality of temporary routing control tables;

determining an elapsed time since a first temporary routing control table was stored in the control server; and

updating the first temporary routing control table stored in the control server with a second temporary routing control table when the elapsed time exceeds a predetermined threshold time.

16. (Currently Amended) ~~The routing control method according to claim 6, further comprising:~~ A routing control method, comprising:

receiving, in each of a plurality of routing devices, routing related information from an adjacent routing device;

generating a temporary routing control table, within each of the plurality of routing devices, based on the received routing related information;

transmitting, by each of the plurality of routing devices, the generated temporary routing control table to a control server;

receiving a plurality of the transmitted temporary routing control tables in the control server;

controlling, using the control server, the transfer route of said packets by using the received plurality of temporary routing control tables;

determining an elapsed time since a first temporary routing control table was stored in the routing device; and

transmitting a second temporary routing control table to the control server when the elapsed time exceeds a predetermined threshold time.

17. (Currently Amended) A routing control system, comprising:
- a plurality of routing devices for transferring packets on a network, and a control server for controlling a transfer route of said packets,
 - wherein each of said plurality of devices includes
 - a routing related information reception unit configured to receive routing related information from an adjacent routing device;
 - a generation unit configured to generate a temporary routing control table based on the received routing related information; and
 - a transmission unit configured to transmit the temporary routing control table generated by said generation unit to said control server, and
 - said control server includes
 - a reception unit configured to receive a plurality of the temporary routing control tables transmitted by the transmission unit of said plurality of routing devices; and
 - a control unit configured to control the transfer route of said packets via at least one of said plurality of routing devices by using the plurality of the temporary routing control tables received by said reception unit.

18. (Currently Amended) A routing control server which is connected to a plurality of routing devices for transferring packets on a network and controlling the transfer route of said packets, comprising:

a reception unit configured to receive, in the routing control server, a plurality of temporary routing control tables transmitted from said plurality of routing devices, each of the plurality of temporary routing control tables being generated, by a routing device of the plurality of routing devices, based on routing related information received from an adjacent routing device; and

a control unit configured to control the transfer route of said packets via at least one of said plurality of routing devices by using the plurality of temporary routing control tables received by said reception unit.